

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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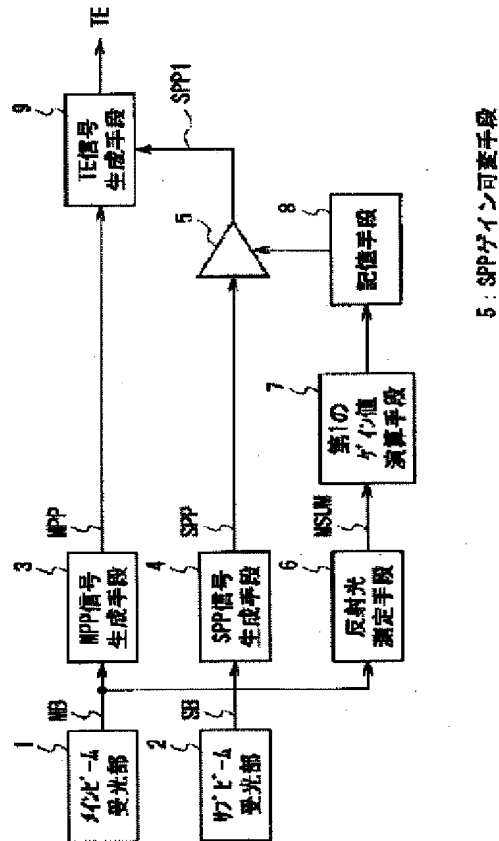
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INVENTOR : FUJIMOTO MITSUTERU;

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TITLE : OPTICAL DISK UNIT



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide an optical disk unit which has the improved tracking property of servo by setting a proper sub servo error gain value (k) when reflected light from an optical disk is varied and removing the amplitude difference between a main servo error signal and a sub servo error signal for avoiding occurrence of offset in a servo error signal.

**SOLUTION:** The level difference between an MPP signal and an SPP signal occurring by varying of a reflected light quantity from the optical disk is measured beforehand by using a reflected light measuring means 6, and a proper SPP gain value obtained by an SPP gain value arithmetic means 7 by using the level difference is stored in a storage means. Then, according to the variation of the reflected light quantity occurring during operation after that, the proper SPP gain value is set to an SPP gain variable means 5.

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